

TRANSMITTAL FORM



Application Serial Number	10/081,163
Filing Date	February 20, 2002
First Named Inventor	Chubinskaya
Group Art Unit	1645
Examiner Name	Not yet assigned.
Attorney Docket No.	STK-081
Patent No.	Not applicable
Issue Date	Not applicable

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form <input type="checkbox"/> Amendment/Response <input type="checkbox"/> Second Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____] <input type="checkbox"/> Petition for Extension of Time <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Form PTO-1449 <input type="checkbox"/> Copies of IDS Citations <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input checked="" type="checkbox"/> Copy of Notice to File Missing Parts of Nonprovisional Application <input type="checkbox"/> Transmittal of Formal Drawings <input type="checkbox"/> Request For Continued Examination (RCE) Transmittal <input type="checkbox"/> Power of Attorney (Revocation of Prior Powers) <input type="checkbox"/> Terminal Disclaimer <input checked="" type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> CD(s) for large table or computer program <input type="checkbox"/> Amendment After Allowance <input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences <input type="checkbox"/> Appeal Brief (in triplicate) <input type="checkbox"/> Status Inquiry <input checked="" type="checkbox"/> Return Receipt Postcard <input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8 <input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8 <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below) 1. Response to Notice to File Missing Parts 2. Copy of the "Submission of Paper Copy and Computer Readable Copy of Sequence Listing for Invention Containing Nucleotide and/or Amino Acid Sequence" 3. Paper copy of the Sequence Listing
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CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator
 Testa, Hurwitz & Thibault, LLP
 High Street Tower
 125 High Street
 Boston, MA 02110
 Tel. No.: (617) 248-7000
 Fax No.: (617) 248-7100

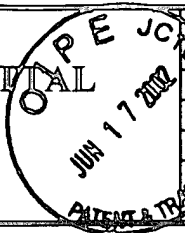
SIGNATURE BLOCK

Respectfully submitted,

 Date: June 10, 2002
 Reg. No. 43,153
 Tel. No.: (617) 310-8168
 Fax No.: (617) 248-7100
 Diana M. Steel
 Attorney for the Applicants
 Testa, Hurwitz & Thibault, LLP
 High Street Tower
 125 High Street
 Boston, MA 02110

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FEE TRANSMITTAL FY 2002



Complete if Known

Application Serial Number	10/081,163
Filing Date	February 20, 2002
Filer Named Inventor	Chubinskaya
Group Art Unit	1645
Examiner Name	Not yet assigned.
Attorney Docket No.	STK-081

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METHOD OF PAYMENT

- ☒ Payment Enclosed:
☒ Check
☐ Money Order ☐ Other
- ☒ The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 20-0531.
☐ Required Fees (copy of this sheet enclosed).
☒ Additional fee required under 37 CFR 1.16 and 1.17.
☒ Overpayment Credit.
- ☐ Applicant claims small entity status.

FEE CALCULATION

1. FILING FEE

Large Entity

Fee (\$)	Fee Description	Fee Paid
740	Utility filing fee	740.00
330	Design filing fee	
160	Provisional filing fee	

	Number Filed	Number Extra	Rate	Amount
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Total Claims 92 - 20 = 72 x \$ 18.00 = 1,296.00

Independent Claims 24 - 3 = 21 x \$ 84.00 = 1,764.00

☐ Multiple Dependent Claim(s), if any \$280.00 = 280.00

TOTAL: 4,080.00

SMALL ENTITY DISCOUNT:

SUBTOTAL (1) (\$) 4,080.00

2. AMENDMENT CLAIM FEES

Claims Remaining After Amend.	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid
Total	-	=	x \$ 18.00 =	
Indep.	-	=	x \$ 84.00 =	
<input type="checkbox"/> First Presentation of Multiple Dep. Claim			+ \$280.00 =	

TOTAL: (\$)

SMALL ENTITY DISCOUNT: (\$)

SUBTOTAL (2) (\$) 0.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
130	65	Surcharge - late filing fee or oath	130.00
50	25	Surcharge - late provisional filing fee or cover sheet	
130	130	Non-English specification	
2,520	2,520	Request for ex parte reexamination	
110	55	Extension for reply within first month	
400	200	Extension for reply within second month	
920	460	Extension for reply within third month	
1440	720	Extension for reply within fourth month	
1960	980	Extension for reply within fifth month	
320	160	Notice of Appeal	
320	160	Filing a brief in support of an appeal	
280	140	Request for oral hearing	
130	130	Petitions to the Commissioner	
180	180	Submission of Information Disclosure Statement	
740	370	Filing a submission after final rejection (37 CFR 1.129(a))	
740	370	For each additional invention to be examined (37 CFR 1.129(b))	
100	100	Certificate of Correction for applicant's error	
Other fee (Specify)			
Other fee (Specify)			

SUBTOTAL (3) (\$) 130.00

SUBTOTAL (1) 4,080.00

SUBTOTAL (2) 0.00

SUBTOTAL (3) 130.00

TOTAL (\$) 4,210.00

CORRESPONDENCE ADDRESS

Direct all correspondence to:

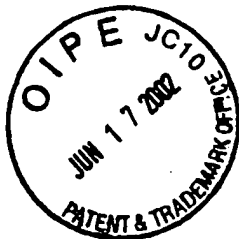
Patent Administrator
 Testa, Hurwitz & Thibault, LLP
 High Street Tower-125 High Street
 Boston, MA 02110
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 Fax No.: (617) 248-7100

SIGNATURE BLOCK

Date: June 10, 2002
 Reg. No.: 43,153
 Tel. No.: (617) 310-8168
 Fax No.: (617) 248-7100

Respectfully submitted,

 Diana M. Steel
 Attorney for the Applicants
 Testa, Hurwitz & Thibault, LLP
 High Street Tower-125 High Street
 Boston, MA 02110



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PATENT
Atty. Docket No. STK-081
(7557/65)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Chubinskaya et al.
SERIAL NO.: 10/081,163 GROUP NO.: 1645
FILED: February 20, 2002 EXAMINER: Not yet assigned
TITLE: METHODS OF USING BONE MORPHOGENIC PROTEINS AS
BIOMARKERS FOR DETERMINING CARTILAGE
DEGENERATION AND AGING

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any documents referred to as enclosed herein, are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to Commissioner for Patents, Washington, DC 20231, ATTN: Box Missing Parts on this 10th day of June, 2002.

Date

June 10, 2002

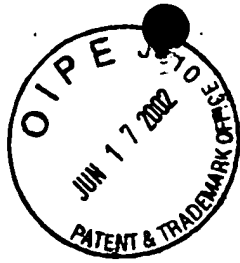
Brenda T. Kowalczyk
Brenda T. Kowalczyk

Commissioner for Patents
Washington, D.C. 20231
ATTN: Box Missing Parts

Sir:

Submitted herewith is/are:

Transmittal (1 pg.); Fee Transmittal (1 pg.); Response to Notice to File Missing Parts (1 pg.); Copy of the Notice to File Missing Parts of Nonprovisional Application (2 pgs.); Executed Declaration and Power of Attorney for Utility Patent Appln. (3 pgs.); Copy of the "Submission of Paper Copy and Computer Readable Copy of Sequence Listing for Invention Containing Nucleotide and/or Amino Acid Sequence" (2 pgs.); Paper Copy of the Sequence Listing (2 pgs.); A check in the amount of \$4,210.00; this Certificate of First Class mailing and postcard.



PATENT
Attorney Docket No. STK-081
(7557/65)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Chubinskaya et al.
SERIAL NO.: 10/081,163 GROUP NO.: 1645
FILING DATE: February 20, 2002 EXAMINER: Not yet assigned
TITLE: METHODS OF USING BONE MORPHOGENIC PROTEINS AS
BIOMARKERS FOR DETERMINING CARTILAGE DEGENERATION AND
AGING

Commissioner for Patents
Washington, D.C. 20231
ATTN: Box Missing Parts

Sir:

RESPONSE TO NOTICE TO FILE MISSING PARTS

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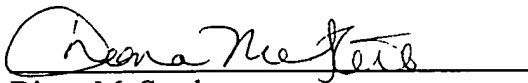
In response to the Notice to File Missing Parts dated April 10, 2002, enclosed is a check in the amount of \$4,210.00 for the filing fee of \$4,080.00, and \$130.00 for the payment of the surcharge in compliance with 37 C.F.R. 1.16(l). Also enclosed is an executed Declaration and Power of Attorney for Utility Patent Application, a courtesy copy of the "Submission of Paper Copy and Computer Readable Copy of Sequence Listing for Invention Containing Nucleotide and/or Amino Acid Sequence", paper copy of the Sequence Listing and a copy of the Notice to File Missing Parts of Application for filing in the above-identified application.

Please charge Deposit Account No. 20-0531 for any additional fees that may be due in this matter.

Respectfully submitted,

Date: June 10, 2002
Reg. No. 43,153

Tel. No. (617) 310-8168
Fax: (617) 248-7100


Diana M. Steel
Attorney for Applicants
Testa, Hurwitz, & Thibault
High Street Tower
125 High Street
Boston, Massachusetts 02110

COPY



UNITED STATES PATENT AND TRADEMARK OFFICE

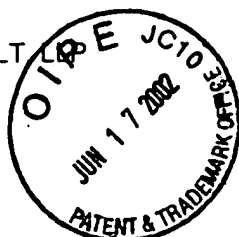
COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/081,163	02/20/2002	Susanna Chubinskaya	STK-081

CONFIRMATION NO. 8382

021323

TESTA, HURWITZ & THIBEAULT
HIGH STREET TOWER
125 HIGH STREET
BOSTON, MA 02110



FORMALITIES LETTER



OC000000007840499

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Date Mailed: 04/10/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- Total additional claim fee(s) for this application is \$3340.

06/20/2002 KHARIS1	00000007	10081163
01 FC:101		
02 FC:102		740.00 0P
03 FC:103		1764.00 0P
04 FC:104		1296.00 0P
05 FC:105		280.00 0P
		130.00 0P

 - \$1296 for 72 total claims over 20.
 - \$1764 for 21 independent claims over 3.
 - \$280 for multiple dependent claim surcharge.
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 4210.**
- This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing", an initial paper or compact disc copy of the "Sequence Listing", as well as an amendment directing its entry into the application. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant

desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

*A copy of this notice **MUST** be returned with the reply.*

Y.G.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE